

**IN THE SPECIFICATION:**

Please replace paragraph [0004] with the following amended paragraph:

--The LCD has a disadvantage in that it has a slow response time due to inherent characteristics of a liquid crystal, such as a viscosity and an elasticity, etc. Such characteristics can be explained by using the following equations (1) and (2):

$$\tau_r \propto \gamma d^2 / \Delta \epsilon |V_a^2 - V_F^2| \quad \dots (1)$$

a-1  
wherein  $[\tau_r]$  represents a rising time when a voltage is applied to a liquid crystal;  $\Delta \epsilon$  is a dielectric anisotropy;  $V_a$  is an applied voltage;  $V_F$  represents a Freederick transition voltage at which liquid crystal molecules begin to perform a tilt motion;  $d$  is a cell gap of liquid crystal cells; and  $\gamma$  is a rotational viscosity of the liquid crystal molecules.

$$\tau_f \propto \gamma d^2 / K \quad \dots (2)$$

wherein  $\tau_f$  represents a falling time at which a liquid crystal is returned into the initial position by an elastic restoring force after a voltage applied to the liquid crystal was turned off, and  $K$  is an elastic constant.--

Please replace paragraph [0017] with the following amended paragraph:

a2

-- Consequently, as shown in FIG. 5, it deviates at the gray level part, indicated by arrows, between the gray level of the data inputted in real and the gray level of the modulated data. As a result, the brightness is changed as much as the deviated portions. In other words, the modulated data should be set more than 4 bits to implement a natural looking moving picture. Nonetheless, since the data width of the look-up table is limited to 4 bits[[.]], the ~~The~~ modulated data is set to less than 4 bits. As a result, a brightness difference becomes even bigger when a difference between the real gray levels is small.--

Please replace paragraph [0047] with the following amended paragraph:

a3

-- As shown in table 3, because the memory used in the 8 bit look-up table 74 has the data width of 8 bits, it is possible to express the values which ~~was~~ were impossible to express with 4 bits in the conventional high-speed driving method. For example, the value above 241 written in the shadowed cells are impossible to express only with 4 bits in the conventional high-speed driving strategy. In the present invention, those values can be set as the modulated data.--

Please replace paragraph [0049] with the following amended paragraph:

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at -- The 8 bit modulated data coming out of the 8 bit look-up table 74 is added to the least significant bit data LSB of 4 bits originated from the least significant bit bus line 71 of the timing controller 61. Thus, a 8 bit video data modulated by the data modulator 62 is supplied to the data driver 63. In a different way, the least significant bit data LSB is not supplied to the data driver 63 and only the modulated data ~~modulated~~ and an expanded bit are supplied by the look-up table 74.--

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